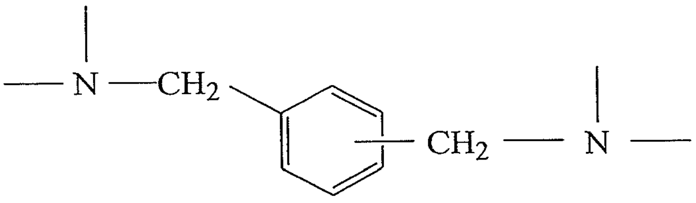
AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

LISTING OF CLAIMS:

1. (Currently amended) A fuel system comprising at least one of a fuel vessel, molded parts for a fuel and a tube for a fuel in which bodies are constituted from at least one of a thermoplastic resin and a synthetic rubber, wherein a coating layer is formed on the surfaces in at least one side of the insides and the outsides of at least one of the fuel vessel body, the molded part bodies for a fuel and the tube body for a fuel or at least one of connected parts in these bodies; the above coating layer is formed by curing an urethane resin composition comprising an active hydrogen-containing compound (A) and an organic polyisocyanate compound (B); the above coating layer has a gasoline permeability coefficient of 0.2 g•mm/m^2•day or less at 23°C and a relative humidity of 60% RH; ~~and~~

wherein a skeletal structure represented by Formula (1), which is contained in the coating layer formed by curing said urethane resin composition, accounts for 20% by weight or more:



(1) , and

wherein the active hydrogen-containing compound (A) comprises at least one compound selected from the group consisting of alkyleneoxide adducts of aroaliphatic polyamine, polyol adducts of aroaliphatic polyisocyanate compound, and aroaliphatic polyols.

2. (Cancelled).

3. (Previously presented) The fuel system as described in claim 1, wherein the thermoplastic resin constituting the fuel vessel described above comprises at least one selected from the group consisting of polyolefin base resins, ethylene vinyl alcohol copolymer resins and polyethylene terephthalate.

4. (Previously presented) The fuel system as described in claim 3, wherein the polyolefin base resins comprise high density polyethylene.

5. (Previously presented) The fuel system as described in claim 1, wherein the thermoplastic resin constituting the tube for a fuel described above comprises at least one selected from the group consisting of polyolefin based resins having flexibility, polyamide based resins, polyurethane base resins, polyester base resins and polyacryl base resins.

6. (Original) The fuel system as described in claim 1, wherein the thermoplastic resin constituting tube for a fuel described above comprises vinyl based resins.

7. and 8. (Cancelled).

9. (Currently amended) The fuel system as described in claim ~~8~~1, wherein the active hydrogen-containing compound (A) described above comprises alkyleneoxide adducts of aroaliphatic polyamine.

10. (Previously presented) The fuel system as described in claim 9, wherein the active hydrogen-containing compound (A) described above comprises alkyleneoxide adducts of xylylenediamine.

11. (Currently amended) The fuel system as described in claim ~~7~~1, wherein the alkyleneoxide described above comprises at least one compound selected from an alkyleneoxide having carbon atoms of 2 to 4.

12. (Original) The fuel system as described in claim 1, wherein the organic polyisocyanate compound (B) described above comprises a reaction product of (a) and (b) or a reaction product of (a), (b) and (c) each described below and has two or more NCO end groups:

(a) a polyfunctional isocyanate compound,

(b) at least one polyfunctional alcohol selected from the group consisting of C_2 to C_{10} polyfunctional alcohols,

(c) at least one compound selected from the group consisting of aromatic polyfunctional amines, aroaliphatic polyfunctional amines, alicyclic polyfunctional amines, aliphatic polyfunctional amines, aliphatic alkanol amines, aromatic polyfunctional carboxylic acids, alicyclic polyfunctional carboxylic acids and aliphatic polyfunctional carboxylic acids.

13. (Previously presented) The fuel system as described in claim 12, wherein the polyfunctional isocyanate compound (a) described above comprises at least one compound selected from xylylenediisocyanate and derivatives of the xylylenediisocyanate.

14. (Previously presented) The fuel system as described in claim 13, wherein the polyfunctional isocyanate compound (a) described above comprises xylylenediisocyanate.

15. (Cancelled).

16. (Original) The fuel system as described in claim 1, wherein the fuel system comprises a fuel vessel which the coating layer is formed on any surface of the inside and the outside of the fuel vessel body at an area rate of 50 to 100%.

17. (Original) The fuel system as described in claim 1, wherein the fuel system comprises the fuel vessel equipped with the molded parts for a fuel and the coating layer is formed on any surface of the inside and the outside of the molded parts for a fuel.

18. (Previously presented) The fuel system as described in claim 1, wherein the fuel system comprises the fuel vessel equipped with the molded parts for a fuel and the coating layer is formed on at least one of connected parts of the fuel vessel and the molded parts for a fuel.

19. (Previously presented) The fuel system as described in claim 1, wherein said active hydrogen-containing compound (A) includes at least 3 active hydrogen atoms.

20. (Previously presented) The fuel system as described in claim 1, wherein a ratio of isocyanate groups contained in said organic polyisocyanate compound (B) to total number of OH groups and amino groups in said active hydrogen-containing compound (A) falls in a range of 0.8 to 2.0.

21. (Previously presented) The fuel system as described in claim 1, wherein said coating layer has a thickness of 1-200 μm.

22. (Previously presented) The fuel system as described in claim 1, wherein said skeletal structure represented by Formula (1), contained in the coating layer, accounts for at least 48% by weight thereof.